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(21) International Application Number: PCT/US98/19549 (22) International Filing Date: 22 September 1998 (22.09.98) (30) Priority Data: 08/937,063 24 September 1997 (24.09.97) US (71) Applicants: BETH ISRAEL DEACONESS MEDICAL CENTER [US/US]; 330 Brookline Avenue, Boston, MA 02215 (US). CORNELL RESEARCH FOUNDATION, INC. [US/US]; Suite 105, 20 Thornwood Drive, Ithaca, NY 14850 (US). (72) Inventors: STROM, Terry, B.; 22 Kennard Road, Brookline, MA 02146 (US). VASCONCELLOS, Lauro; 185 Freeman Street, Brookline, MA 02146 (US). SUTHANTHIRAN, Manikkam; Apartment 12N, 1161 York Avenue, New York, NY 10021 (US). (74) Agents: HOGLE, Doreen, M. et al.; Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, MA 02421 (US).		(81) Designated States: AU, CA, JP, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: METHODS OF EVALUATING TRANSPLANT REJECTION (57) Abstract The invention relates to methods of evaluating transplant rejection in a host comprising determining a heightened magnitude of gene expression of two out of three immune activation marker genes perforin, granzyme B and Fas ligand, in a tissue biopsy or peripheral blood mononuclear cell sample, particularly using reverse transcription polymerase chain reaction; methods of assessing antirejection therapy; and kits for use in evaluating transplant rejection.		

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